



## City Facility Wi-Fi Improvement Project

Innovation and Technology  
Department

City Council  
May 10, 2016

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### ISSUE

- The issue for City Council consideration is to award a Professional Services Agreement from RFP 1567 to Vector USA for a City Facility Wi-Fi Improvement Project in the amount of \$265,165.55 plus authorization for change orders for up to 10% (\$26,516.56) for a total contract not to exceed amount of \$291,682.11.



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## BACKGROUND

1. On August 26, 2014, Staff issued RFP 1469 for the Wi-Fi Hotspot Pilot Project
2. This pilot program, located at Ysmael Villegas Community Center, is a success.
  - A. High-speed network with sixteen hotspots
  - B. Serves an average of 350 visitors per month during business hours
3. Now seeking to upgrade and enhance Wi-Fi at various additional locations for the public and staff



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## BACKGROUND

4. On December 10, 2015, staff issued RFP 1567 to implement a City facility Wi-Fi Improvement Project.
5. On January 21, two bids were received, one of which was deemed unresponsive.
6. Staff selected Vector USA, from Rancho Cucamonga, California at a total cost of \$265,165.55.



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## WI-FI IMPROVEMENT – WHY?

1. New or improved Wi-Fi for guests and staff at publicly accessible City facilities
2. Improved Wi-Fi for library patrons Citywide
3. Improved wireless cyber security
4. Improved hotspot manageability
5. Retires obsolete equipment
6. Potential long-term cost savings



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## GUEST WI-FI

1. City guests will be able to visit a city facility where new Wi-Fi exists and experience easy to use, secure high speed Wi-Fi.
2. Guests connect using "Riv-guest"



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[Acceptable Use Policy](#)

☒ I have read and understand the Acceptable Use Policy above

[Click Here](#) Log in to internet



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## ENHANCED SPEEDS & COVERAGE

1. Wi-Fi hot spots will be capable of enhanced speeds of up to 1.3 Gigabits per second (Gbps).
2. Coverage will extend to a radius of 200 to 400 feet from each hotspot location.
  - New equipment allows use restrictions during non-business hours.



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## NEW WI-FI FOR LIBRARY PATRONS

- New, improved Wi-Fi equipment will provide enhanced, easy to use Wi-Fi experience for library patrons wishing to access downloadable library books and media.



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## IMPROVED WI-FI FOR CITY STAFF

1. City staff will benefit from the enhanced Wi-Fi allowing for more mobility, enabling the “work anywhere” model
2. Increased productivity



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## POTENTIAL LONG-TERM COST SAVINGS

- Reliable, high-speed Wi-Fi within city facilities may reduce the need for expensive cable installations.



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## ENHANCED WIRELESS SECURITY

- The City will benefit from the new Wi-Fi by taking advantage of new industry-leading security features that will help protect city assets against cyber attacks.



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## PROPOSED SOLUTION

1. Utilizes the City's standard, Aruba brand equipment
2. Includes 123 access points and related hardware, professional installation (cabling, patch panels, etc.) and professional services



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## New and/or enhanced Wi-Fi hotspot locations



Location	Address	Est. Quantity
<b>City Locations:</b>		
City Hall	3900 Main St. Riverside 92522	24 AP-325s
Greer Pavilion	3900 Main St. Riverside 92522	1 AP-274
Museum	3580 Mission Inn Ave. Riverside 92501	11 AP-325s
Heritage	8193 Magnolia Ave. Riverside 92504	1 AP-325s
WQCP	5950 Acom St. Riverside 92504	2 AP-325s
EOC	3085 St. Lawrence St. Riverside 92504	5 IAP-225s
Orange Terrace	20010 Orange Terrace Pkwy. Riverside 92508	3 AP-325s
Fire Maint.	3085 St. Lawrence St. Riverside 92504	2 AP-325s
Fire Stn. 2	9449 Andrew St. Riverside 92503	1 AP-325
Fire Stn. 3	6395 Riverside Ave. Riverside 92506	1 AP-325
Fire Stn. 4	3510 Cranford Ave. Riverside 92507	1 AP-325
Fire Stn. 5	5883 Arlington Ave. Riverside 92504	1 AP-325
Fire Stn. 6	1077 Orange St. Riverside 92501	1 AP-325
Fire Stn. 7	10191 Cypress Ave. Riverside 92503	1 AP-325
Fire Stn. 8	11076 Hole Ave. Riverside 92505	1 AP-325
Fire Stn. 9	6674 Alessandro Blvd. Riverside 92506	1 AP-325
Fire Stn. 10	2590 Jefferson St. Riverside 92504	1 AP-325
Fire Stn. 11	19595 Orange Terrace Pkwy. Riverside 92508	1 AP-325
Fire Stn. 12	10692 Indiana Ave. Riverside 92503	1 AP-325
Fire Stn. 13	6490 Sycamore Cyn. Blvd. Riverside 92507	1 AP-325
Fire Stn. 14	725 Central Ave. Riverside 92507	1 AP-325
<b>Libraries:</b>		
Main	3851 Mission Inn Ave. Riverside 92501	12 AP-325s
Arlanza	8267 Phibin Ave. Riverside 92504	3 AP-325s
La Sierra	4600 La Sierra Ave. Riverside 92505	3 AP-325s
Marcy	6927 Magnolia Ave. Riverside 92506	3 AP-325s
Casa Blanca	2985 Madison St. Riverside 92504	3 AP-325s
Eastside	4033-C Chicago Ave. Riverside 92507	3 AP-325s
Arlington	9556 Magnolia Ave. Riverside 92503	3 AP-325s
Orange Terrace	20010-A Orange Terrace Pkwy. Riverside 92508	3 AP-325s
<b>Public Utilities:</b>		
Orange Square	3901 Orange St. Riverside 92501	6 AP-325s
Mission Square	3750 University Ave Riverside 92501	11 AP-325s
UOC	2911 Adams St. Riverside 92504	3 AP-325s
RPU sub-stations	5901 Payton Ave. Riverside 92504	2 AP-325s
RERC	5901 Payton Ave. Riverside 92504	4 AP-325s
Gateway	3435 14th St. Riverside 92501	3 AP-325s

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## COST ALLOCATION FORMULA

- The cost summary formula percentage is based on each department's planned number of Wi-Fi access points as referenced in the Professional Services Agreement.



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## RECOMMENDATION

That the City Council:

1. Award a Professional Services Agreement from Request for Proposal (RFP) 1567 to Vector USA for a City Facility Wi-Fi Improvement Project in the amount of \$265,165.55;
2. Authorize change orders up to \$26,516.56 (10%) for unforeseen circumstances during the implementation of the City Facility Wi-Fi Improvement Project, total contract not to exceed \$291,682.11; and
3. Authorize the City Manager, or his designee, to execute the Agreement and all related documents, including making any minor non-substantive changes as necessary.



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